

ORIGINAL

**TSCA NON-CONFIDENTIAL BUSINESS INFORMATION**

DOCUMENT DESCRIPTION	DOCUMENT CONTROL NUMBER	DATE RECEIVED
8EHQ-12- 18639	<b>88120000182</b>	4/25/12

COMMENTS:

**DOES NOT CONTAIN CBI**

**Akzo Nobel Services Inc.**  
**HSE Department**

525 W. Van Buren Street  
Chicago, Illinois  
60607-3835  
United States

T +1 312 544 7000  
F +1 312 544 7125  
www.akzonobel.com/ta

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2012 APR 25 AM 10:26

**AkzoNobel**  
Tomorrow's Answers Today

April 20, 2012

US EPA Office of Pollution Prevention and Toxics  
EPA East Building Room 6428  
Attn: Section 8(e)  
1201 Constitution Avenue, NW  
Washington, DC 20004



Cc: Polymer Chemicals bv  
Arkema France  
Pergan GmbH  
United Initiators GmbH & Co. KG



**SUBJECT: TSCA 8(e) Notice**

**Re: Ames Test on Bis(2,4-dichlorobenzoyl) peroxide (CAS# 133-14-2), paste, 50% in silicone oil**

Dear TSCA Section 8(e) Coordinator:

On behalf of Akzo Nobel Polymer Chemicals LLC we are submitting preliminary results on an OECD 471 "Bacterial Reverse Mutation Test" with Bis(2,4-dichlorobenzoyl) peroxide (CAS# 133-14-2), paste, 50% in silicone oil. The paste typically contains silicone oil (polydimethylsiloxanes, CAS # 63148-62-9) at 49 – 51%. The study was sponsored by Akzo Nobel Polymer Chemicals bv, Arkema France, Pergan GmbH and United Initiators GmbH & Co. KG.

The test was conducted with bacterial strains TA100, TA1535, TA98, TA1537, *WP2uvrA* with and without S9 at 50 to 5000 ug test article/plate.

In the first experiment (plate incorporation method) there were small but statistically significant increases in the frequency of TA100, TA1535 and TA98 revertant colonies at the upper dose levels of the test item in the absence of metabolic activation (S9) only with a modest dose-response relationship observed for TA100 and TA98.

The test item induced a toxic response in the second experiment after employing pre-incubation methodology (20 minutes at 37°C) and the responses noted in the first experiment were, therefore, not reproduced.

Therefore, an additional (confirmatory) experiment was performed (employing plate incorporation methodology as in Experiment 1) using those bacterial strains that showed a statistically significant increase (TA100, TA1535 and TA98 in the absence of S9-mix only). In this experiment, there were no meaningful increases in colony frequency noted for TA100 and TA1535 but dose-related and reproducibly statistically significant increases in the frequency of TA98 revertant colonies at the upper dose levels of the test item (3000, 4000 and 5000 µg/plate). The individual numbers of revertant colonies at the statistically significant dose levels were generally above the upper limit of the test laboratory's vehicle/untreated historical control

**CONTAINS NO CBI**

From: (312) 544-7162  
Raj Krishnaraj  
Akzo Nobel  
525 West Van Buren Street

Origin ID: GYYA



J12101112190225

Ship Date: 23APR12  
ActWgt: 1.0 LB  
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BILL SENDER

Section 8(e)

EPA -Office of Pollution Prevention  
1201 CONSTITUTION AVE NW  
EPA EAST BUILDING - ROOM 6428  
WASHINGTON, DC 20460

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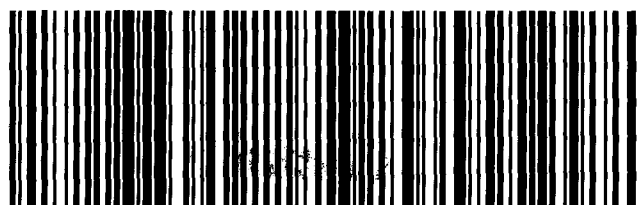
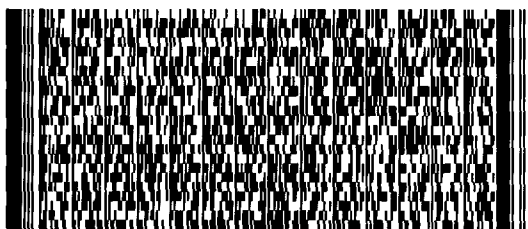
TUE - 24 APR A1  
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**XC RDVA**

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